

IN THE CLAIMS:

1. (Cancel)
2. (Currently Amended) A ~~system~~ broadcast data receiver according to claim + 12 wherein said service information for which ~~at least one~~ said second tuner is used to scan relates to television and/or radio channel identification information including audio, video and/or auxiliary data.
3. (Cancel)
4. (Cancel)
5. (Currently Amended) A broadcast data receiver ~~system~~ according to claim 12 + wherein said service information retrieved by said ~~at least one~~ second tuner is stored in said memory means of said broadcast data receiver.
6. (Cancel)
7. (Currently Amended) A ~~system~~ broadcast data receiver according to claim + 12 wherein when said ~~at least one~~ second tuner is scanning for service information and is required to receive a designated data stream, in response to a user selection, the scanning is suspended and said ~~at least one~~ second tuner is made available for said data stream ~~scream~~.

8. (Currently Amended) A ~~system~~ broadcast data receiver according to claim 7 wherein scanning ~~may be~~ is resumed when ~~at least one~~ said second tuner is no longer required to receives said data stream and when there are no other pending tuning requirements.

9. (Cancel)

10. (Currently Amended) A broadcast data receiver according to claim 13 9 wherein said scanning operates continuously when said ~~at least one~~ second tuner is available.

11. (Currently Amended) A broadcast data receiver according to claim 13 9 wherein said scanning operates at spaced time intervals.

12. (New) A broadcast data receiver for receiving digital data from one or more broadcaster(s) via satellite, terrestrial or cable transmission systems and for processing the digital data to generate video, audio and/or auxiliary data therefrom, said broadcast data receiver comprising:

first and second tuners, each tuner controlled to tune to a specified radio frequency to allow the broadcast data receiver to receive a designated data carrier having frequencies selectable and controllably by the broadcast data receiver in response to a user selection, and if said first tuner is being used to receive data to allow a known channel generated from said data to be watched and/or listened to by a user, the second tuner can be controlled to scan through a data carrier frequency bandwidth to identify and retrieve service information relating to new and/or known channels, the channel scanning is performed in the background and without requiring user initiation, processing

means in the broadcast data receiver being arranged to determine when service information relating to new, previously unidentified channels, has been detected by said second tuner and following the detection of a new, previously unidentified channel, the background process resulting in an immediate display of a visual and/or audible message via the broadcast data receiver; to inform a user of the broadcast data receiver that a new, previously unidentified channel has been detected whilst the user is watching and/or listening to the already known channel data received from said first tuner, without having initiated a channels scan process.

13. (New) A broadcast data receiver for receiving digital data from one or more broadcaster(s) via satellite, terrestrial or cable transmission system and for processing the digital data to generate video, audio and/or auxiliary data therefrom, said broadcast data receiver comprising:

first and second tuners each having at least one function for receiving incoming data stream at a particular data carrier frequency from a number of bandwidths, at least one function for receiving an additional data stream; and at least one further function for background scanning of data carrier frequency bandwidths for channel service information, and each tuner further having an in-use status and an idle status;

controlling means for the first and second tuners;

monitoring means for determining the status of each of said first and second tuners; if said monitoring means determines that first tuner status is in-use and second tuner status is idle, then second tuner can be controlled by said broadcast data controlling means without requiring user initiation to background scan incoming data carrier frequency bandwidths for service information to determine whether new service information has been identified;

memory means for storing identified service information and processing means for comparing instream data tables in the scanned incoming data carrier frequency bandwidths with the identified service information stored in the memory means to determine new service information available to a user; and

message means for informing the user during the background scanning when new service information containing a bandwidth frequency of a new channel has been identified.